User Manual of LTE Router

This manual will indicate you how to set and use your LTE Router: access into router's WEB interface from computer, choose the right operation mode to meet with your requirement, and then manage your networking easier and faster.

Pls check Packing details before use it:

LTE Router *1;

5dBi antenna *2

DC Power Adapter *2

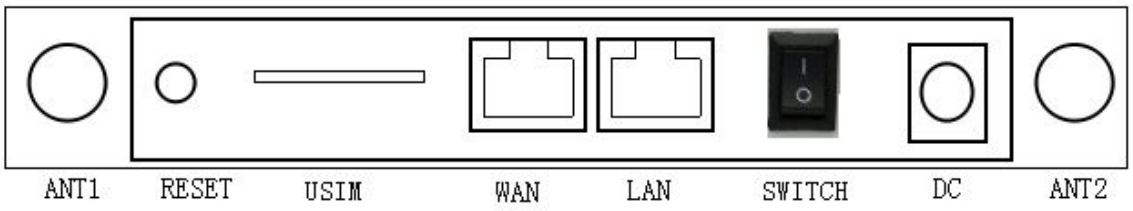
CD with User Manual *1

LAN Cable *1

Quickly Guider

1st: Port Description and Power on

- **Port Description:** showed as P1: Antenna 1, Reset, SIM Card slot, WAN port, LAN Port, Switch, DC Power, Antenna 2



P 1 LTE-S4 Port Description

- **Power on：**

DC power on: The DC's electronic standard is 12V/1A, 12V/1.5A, DC connection diagram and computer connection diagram as follow:

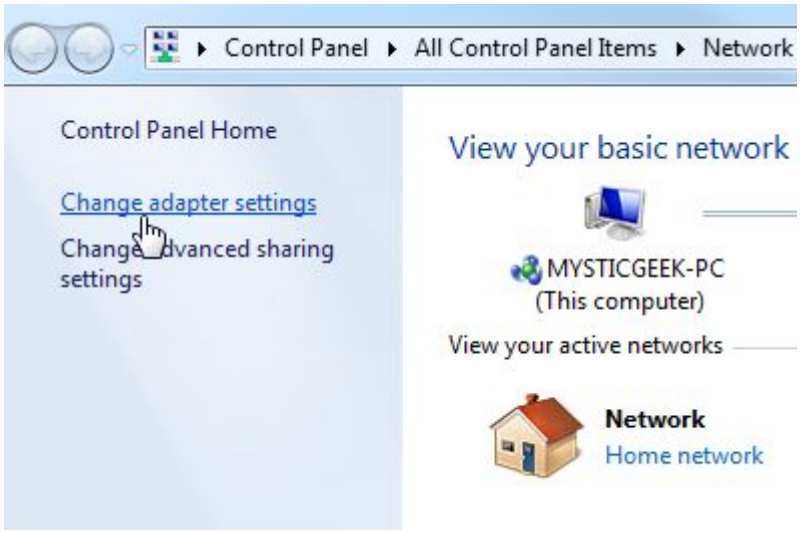
P2 How to power LTE-S4

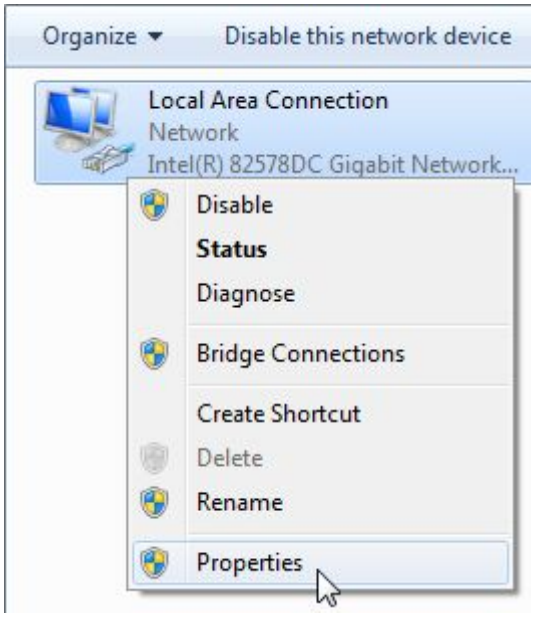
Atten	Wrong connection and un-matched power adapter may damage this router

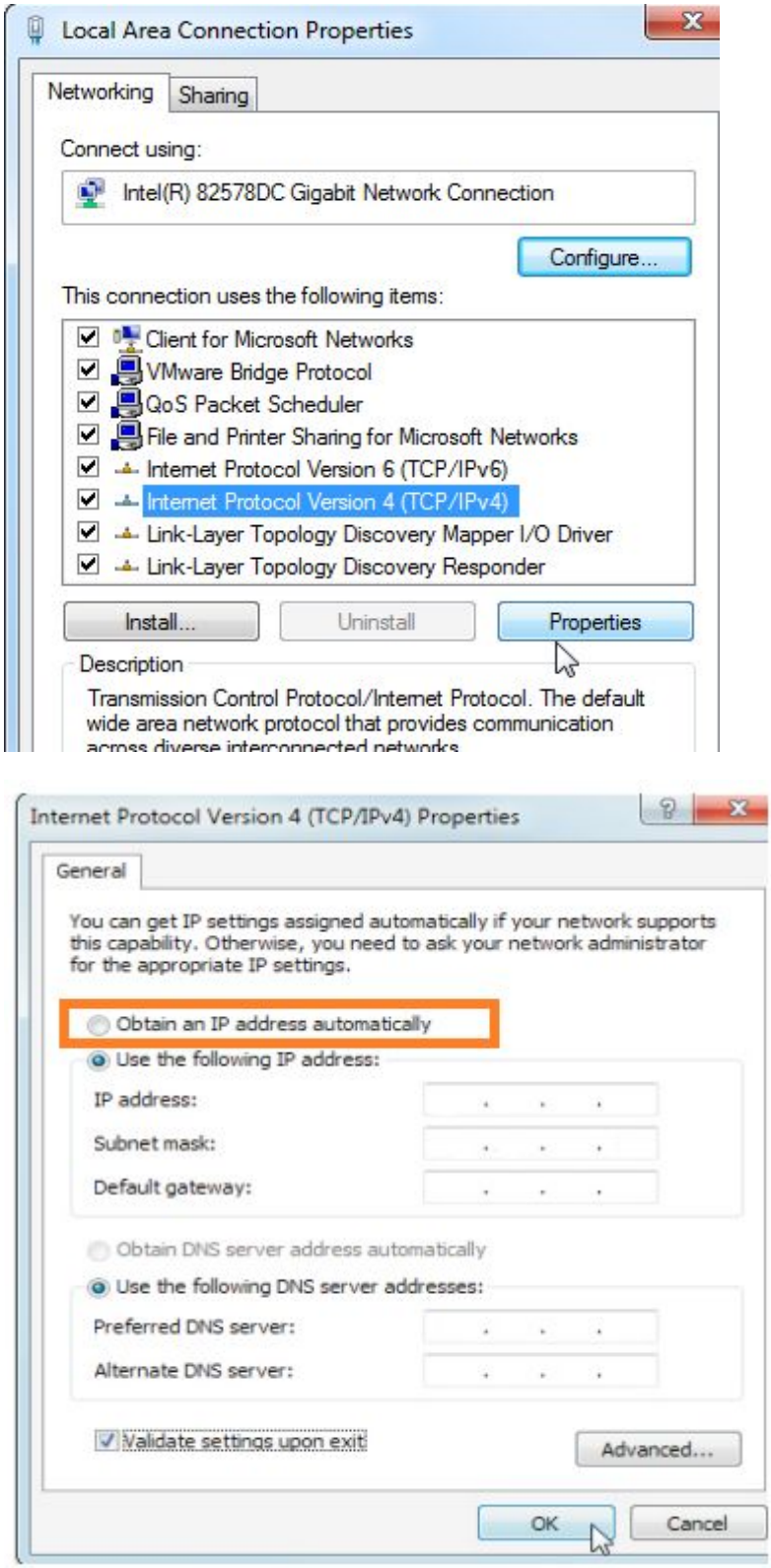
2nd: Log in

1) Connect LTE Router with computer by LAN cable, showed as P2.

2) Pls check your PC's IP address and make sure it is Obtain an IP address automatically as follow:





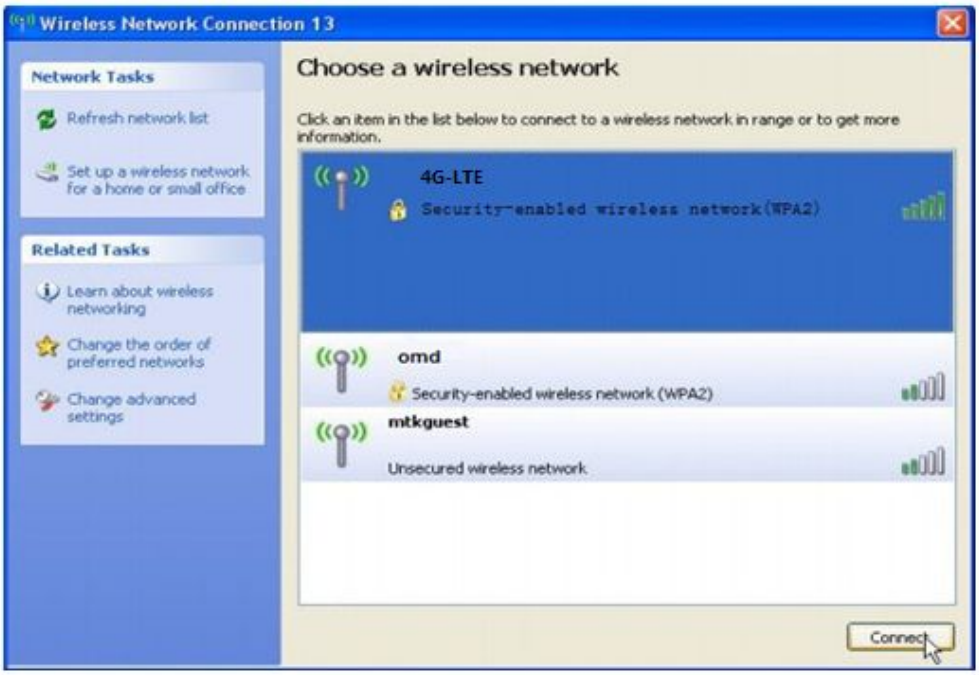

Local Area Connection Properties
Networking
Sharing
Connect using:
Intel(R) 82578DC Gigabit Network Connection
Configure...
This connection uses the following items:
Client for Microsoft Networks
VMware Bridge Protocol
QoS Packet Scheduler
File and Printer Sharing for Microsoft Networks
Internet Protocol Version 6 (TCP/IPv6)
Internet Protocol Version 4 (TCP/IPv4)
Link-Layer Topology Discovery Mapper I/O Driver
Link-Layer Topology Discovery Responder
Install...
Uninstall
Properties
Description
Transmission Control Protocol/Internet Protocol. The default
wide area network protocol that provides communication
Internet Protocol Version 4 (TCP/IPv4) Properties
General
You can get IP settings assigned automatically if your network supports this capability. Otherwise, you need to ask your network administrator for the appropriate IP settings.
Obtain an IP address automatically
Use the following IP address:
IP address:
Subnet mask:
Default gateway:
Obtain DNS server address automatically
Use the following DNS server addresses:
Preferred DNS server:
Alternate DNS server:
Validate settings upon exit
Advanced...
OK
Cancel

P3. Obtain an IP address automatically

3). Log in: type http://192.168.0.1 in your IE, will pop up P4, pls input **admin/admin** in User name and Password

P4. Log in router in wired

4) If you want to log in this router in Wireless, then the SSID: **4G-LTE,** Passwords: **66666666**, Search this SSID and input passwords to make your PC connected with this router, then type 192.168.0.1 , will pop up a window, then input **admin/admin** to log in, pls do step by step:


Wireless Network Connection 13
Network Tasks
Refresh network list
Set up a wireless network for a home or small office
Related Tasks
Learn about wireless networking
Change the order of preferred networks
Change advanced settings
Choose a wireless network
Click an item in the list below to connect to a wireless network in range or to get more information.
4G-LTE
Security-enabled wireless network (WPA2)
omd
Security-enabled wireless network (WPA2)
mtkguest
Unsecured wireless network
Connect

P5: Log in Router wirelessly

Atten

If your computer with build in 802.11b/g/n wireless adapter, but can't search the available wireless networking after refresh, pls contact with computer supplier or after-sale department after appear following points:

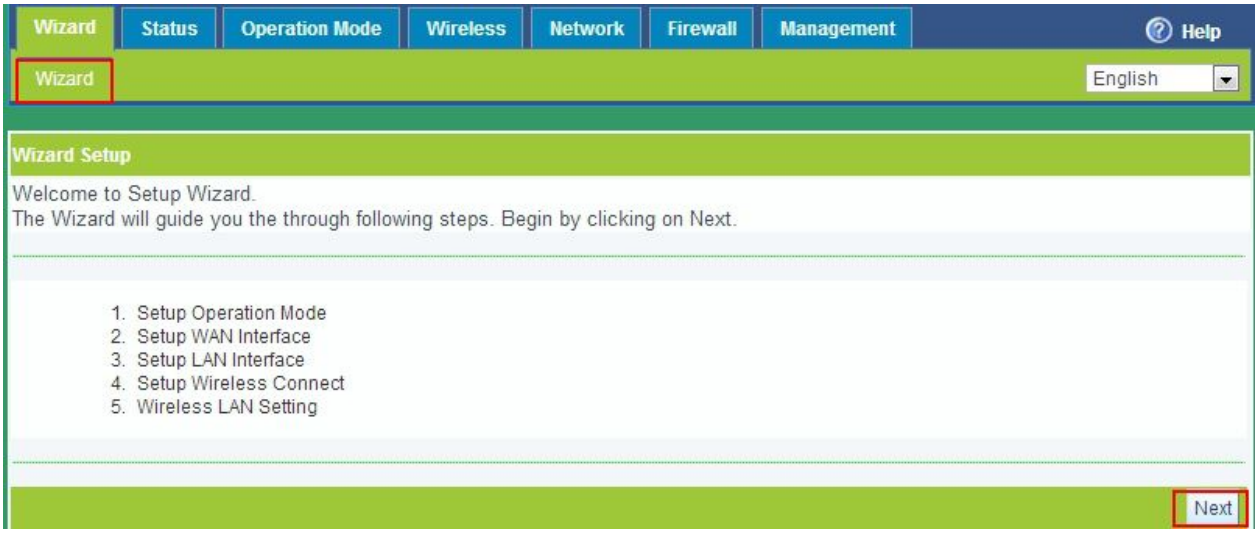
Right click My Network Places, select property, appear Local Area Connection or Other Connection, No Wireless Network Connection

There is Wireless Network Connection in My Network Places, Show General and Advanced after right click Wireless Network Connection and select properties, but no Wireless Network Configuration in Window

Step 3: Operation Mode:

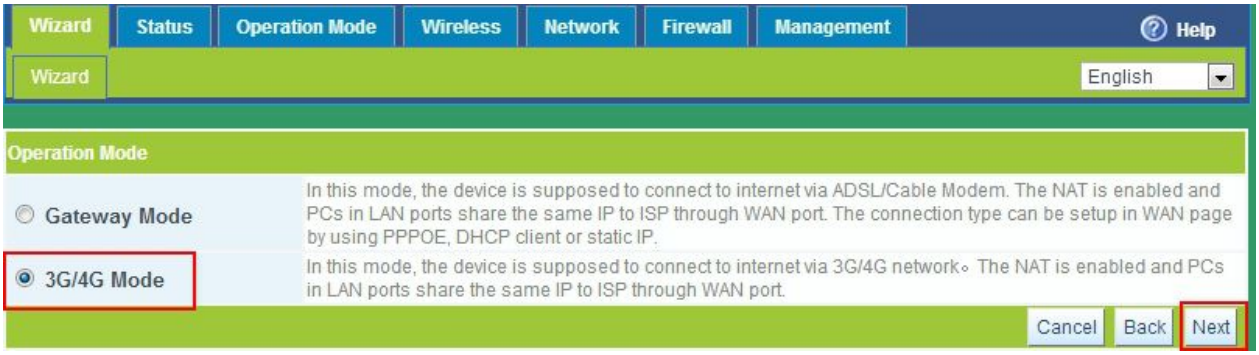
After entered the WEB management page, you can set LTE-S4 as your requirement. The default working mode of this device is 3G/4G mode. Following will explain the setting of 3G/4G Operation mode:

- **Wizard:** As P6 shows, click the “wizard” in the management page, then click” next”



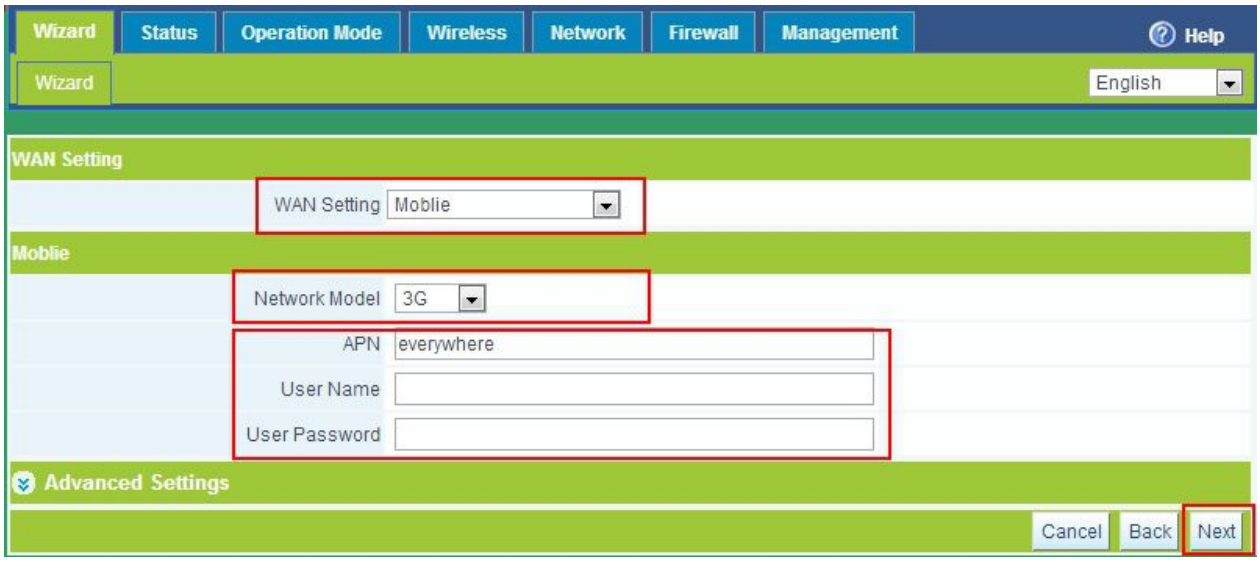
P6 Wizard

- **Choose operation mode:** After click “ Next”, Choose 3G/4G mode in the P 9 shows，then click “next”.


Wizard
Status
Operation Mode
Wireless
Network
Firewall
Management
Help
Wizard
English
Operation Mode
Gateway Mode
In this mode, the device is supposed to connect to internet via ADSL/Cable Modem. The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port. The connection type can be setup in WAN page by using PPPOE, DHCP client or static IP.
3G/4G Mode
In this mode, the device is supposed to connect to internet via 3G/4G network。The NAT is enabled and PCs in LAN ports share the same IP to ISP through WAN port.
Cancel
Back
Next

P7 Choose working mode.

- **Wan Setting:** After enter in the WAN setting page as P8 shows, choose corresponding mode in the pull-down menu (take”3G” as example), then enter your user name and password of mobile network (please consult your network operator for help if don’t know the user name and passwords).



P8 WAN Setting

- **Lan setting**

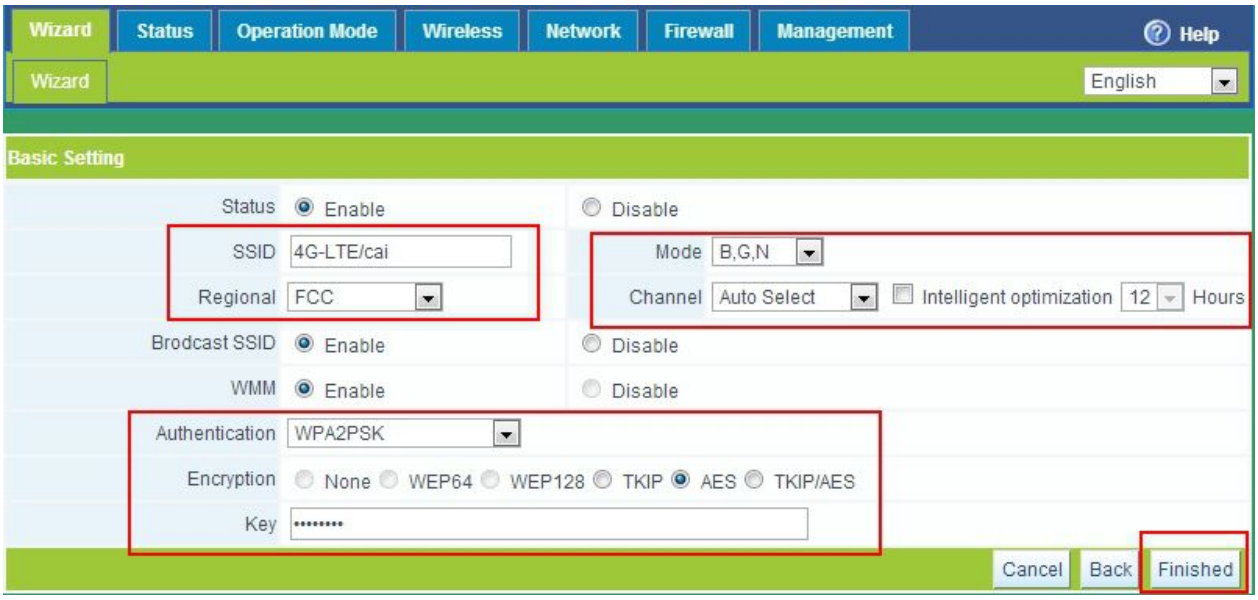
  Lan IP setting : Set the IP address you need as P 9 shows.

  DHCP server setting: in mobile network mode, DHCP server is opened in default

  Click “next”

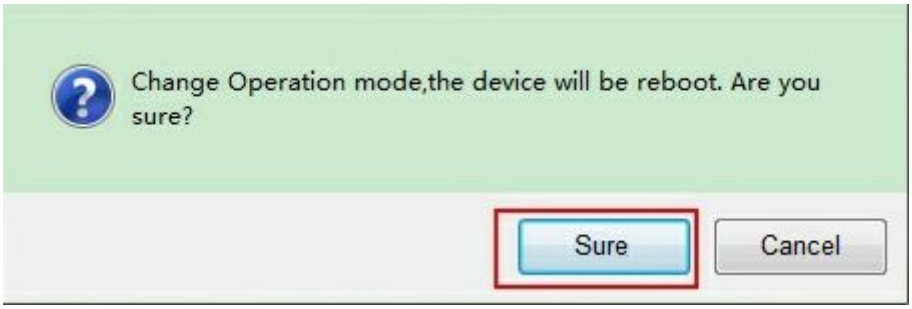
P9 Lan setting

- **Basic configuration of wireless network:** As P2 shows, you can make basic configuration of LTE-S4, include SSID, Regional, password, mode, and channel Then click “ finish”.



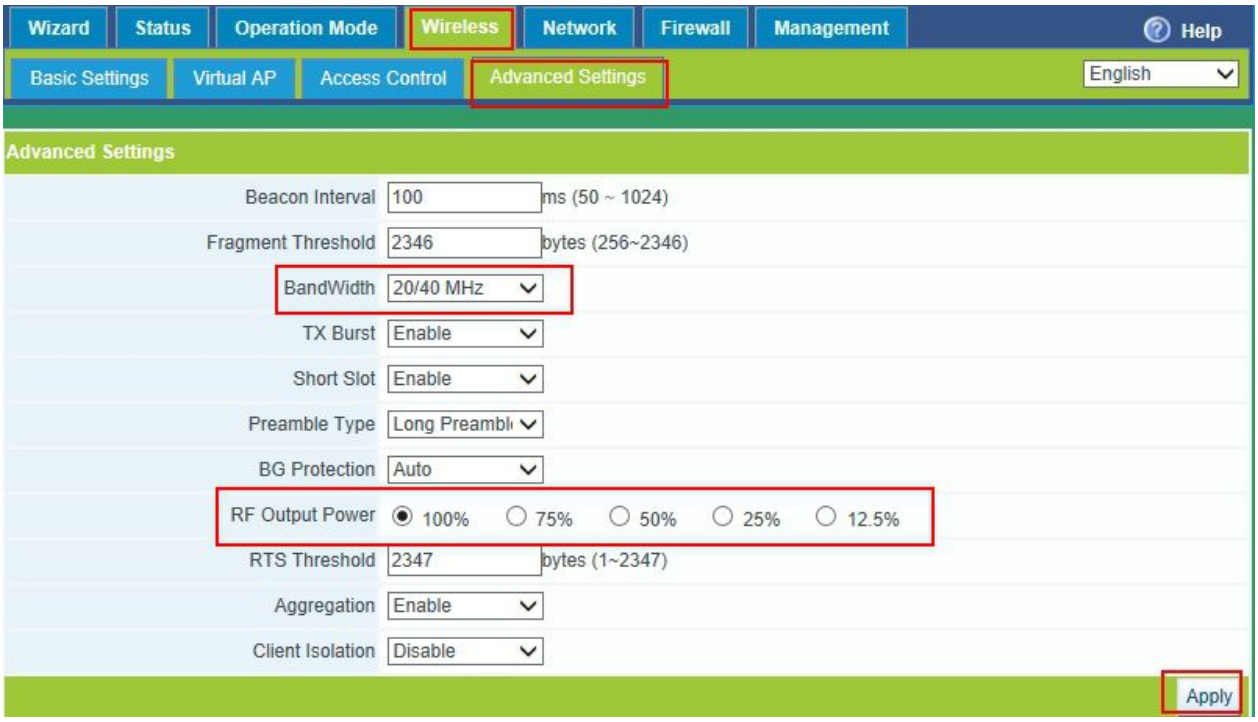
P 10 Basic configuration of wireless network

- **Confirm the configuration** After click “finished” ， as P 13 shows, choose “Sure” in the dialog box, then the system will reboot in few minutes and after reboot the configuration will complete.



P11 Change Operation mode

- **Advanced Settings:** Click “Wireless”→”Advanced Settings” to setting, showed as follow:



P12 Advanced setting

- **Bandwidth:** It is 20/40MHz matched automatically.
- **RF Output Power:** It is 100%，75%，50%，25%，12.5%, user can set it as require.
- **Others:** pls set it if professional and in needed, or keep it in default.

Then click “Apply” to finish the setting.

4th: Internet setting and Status checking

- **IP setting:** After set the 3G/4G Networking, the router will reboot to 3G/4G operation mode. Then insert your SIM card into router, your electronic device can access the internet from LTE-S4.
- **Checking Status:** type http://192.168.0.1 in your IE and login this router, then you can check the router’s working status showed as P13. Then finish the 3G/4G operation mode setting already.
- For Gateway mode, pls set it from Wizard also if require.

P13 Status

Management

Click“**Management**”to enter into management page, showed as P14 :

P14 Management

- **System**: export the default data, or load the new configure file to restore the AP's system, or reboot to default setting.
- **Route**: User can add router rule by manual
- **DDNS**：set DDNS rule for router。
- **QoS Setting**：Configure networking for each IP or IP segment
- **User:** set user name and passwords for this router if require
- **Logs**：Can checking the router's operation status when enable
- **Upgrade**：can upgrade new software to make this device more stable
- **System time**：can set router's time and system optimization time

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This router can restore to factory default by press the Reset button last more than 10 seconds. Then LTE-S4 will restore to factory default setting after WiFi LED flash off and System reboot.

Trouble Shooting

F 1 Symptoms and Treatment

Symptoms	Treatment
Forget the login user name and passwords	Restore to factory default
Can't login the ceiling AP through WEB management	1. Pls make sure the PC and LTE Router's IP Address are in same network segment, can be checked through Ping: PC start--input CMD in Run, then ping 192.168.0.1 2. Login after Restore this LTE Router to factory default 3. Make sure there isn't any equipment take IP address of 192.168.0.1 in LTE Router's networking 4. Check your computer and network cable to avoid any problem, recommend to use unshielded twisted pair 10/100M Ethernet cable.
Forget the AP's SSID and passwords	1. Pls make LAN cable to connect LTE-S4 with computer and login LTE-S4, then click Wireless to reset the passwords 2. Restore to factory default
Can't access to AP's IP address	1. Check the AP's DHCP and make it enable
No WiFi indicator on LTE-S4	1. If DC Power, check the local power supplier 2. the WiFi indicator will be on in 30 seconds after power on.
The 4G LED indicator show Red always on LTE-S4	1. If the 4G indicator flash red always, it show LTE Router haven't detect the 4G Module, pls reset and try again. Pls return back if can't detect the 4G Module all the time.
The 4G indicator flash slow with Red color	1. The LTE-S4 haven't detect the SIM card, pls insert the SIM card again 2. Networking Anomaly, pls choose the right operation mode after enter into router's software.